



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

| APPLICATION NO.  | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO.   | CONFIRMATION NO. |
|--|-------------|----------------------|-----------------------|------------------|
| 10/605,733   | 10/22/2003  | Irving Toivo Salmeen | FGT 1840 PA           | 2732             |
| 28549  | 7590        | 12/29/2006           |                       |                  |
| ARTZ & ARTZ, P.C.<br>28333 TELEGRAPH ROAD, SUITE 250<br>SOUTHFIELD, MI 48034 |             |                      | EXAMINER<br>A, MINH D |                  |
|  |             |                      | ART UNIT              | PAPER NUMBER     |
|  |             |                      | 2821                  |                  |

| SHORTENED STATUTORY PERIOD OF RESPONSE | MAIL DATE  | DELIVERY MODE |
|--|------------|---------------|
| 3 MONTHS                               | 12/29/2006 | PAPER         |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**Office Action Summary**

Application No.

10/605,733

Applicant(s)

SALMEEN ET AL.

Examiner

Minh D A

Art Unit

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 09 October 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,2 and 4-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1, 5-8, 10-11, 13-20 is/are rejected.
- 7) ☒ Claim(s) 2,4,9 and 12 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

***DETAILED ACTION***

1. This is a response to the Applicant's filing on 12/23/05. In virtue of this filing, claims 1-20 are currently presented in the instant applicant.
2. Applicant's request for reconsideration of the rejection of the last Office action is persuasive and, therefore, the last office action is withdrawn. In view of a further consideration, however, a new rejection is set forth below. This action is not made final.

***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1, 5-8, 10-11, 13-20 are rejected under 35 U.S.C. 102(e) as being anticipated by SCHOFELD et al (US 2002/0167589).

Regarding claim 1, SCHOFELD disclose in figure 17, a rearview vision system for vehicle including panoramic view comprising: a display (20) having a light source (108) and an optical system correction system (corresponding to at least one beam-forming assembly optically coupled to said at least one light source (108))(see col.2, lines [0017] and figure 21, discloses at least one object

Art Unit: 2821

detection sensor (176) detecting at least one object and generating at least one object detection signal; and a controller (image processor (18)) coupled to said at least one beam-forming assembly and said at least one object detection sensor (178) and adjusting illumination output of said at least one light source (108) in response to said object detection signal; wherein adjusting said illumination output comprises adjusting an illumination parameter selected one at least one of beam pattern, beam location, beam focus, and beam angle. See Col. 6, lines [0054] to col.12, line [0098].

Regarding claim 5, SCHOFIELD disclose in figure 21, the at least one object detection sensor (176) is a passive object detection sensor.

Regarding claim 6, SCHOFIELD disclose in figure 21, the at least one object detection sensor is selected from at least one of a radio frequency transceiver, a radio frequency receiver, a radio frequency sensor, an infrared transceiver, an infrared receiver, an infrared sensor, a laser transceiver, and a laser sensor.

Regarding claim 7, SCHOFIELD disclose in figures 21-25, a transmitter (infrared shutter (196)) coupled to said controller (194) and transmitting a first communication signal, said object detection sensor (192) for receiving a second communication signal in response to said first communication signal and adjusting said illumination output in response to said second communication signal.

Art Unit: 2821

Regarding claim 8, SCHOFELD disclose in figures 21-25, the controller (194) for adjusts said illumination output in response to at least one vehicle operating condition.

Regarding claim 10, SCHOFELD disclose in figures 21-25 , a navigation system coupled to said controller, said controller (194) for receiving information related to at least a portion of said at least one vehicle operating condition from said navigation system.

Regarding claim 11, SCHOFELD disclose in figures 21-25, the controller (194) adjusts a vehicle state in response to said object detection signal.

Regarding claim 13, SCHOFELD disclose in figures 21-25, the object detection sensor (196) receives a cruise control signal and said controller in response to said cruise control signal adjusts said vehicle state.

Regarding claim 14, SCHOFELD disclose in figures 21-25, the controller(194) for adjusting a cruise control parameter in response to said object detection signal.

Regarding claim 15, SCHOFELD disclose in figures 21-25, at least one light emitter optically coupled to said at least one beam-forming assembly, said controller independently adjusting illumination output of each of said at least one light emitter.

Regarding claim 16, SCHOFELD disclose in figures 21-25, the object detection signal, is generated in response to illumination generated from said at least one object.

Art Unit: 2821

Regarding claims 17-18, SCHOFIELD disclose in figures 21-25, the object detection signal is generated in response at least one communicative light signal generated from said at least one object.

Regarding claim 19, figures 17-25, SCHOFIELD discloses a vehicle object detection system comprising: at least one light sources (108); at least one beam-forming assembly optically coupled to said at least one light source (108) and forming an illumination beam; a transceiver (having emitter) for generating a first communication signal and receiver (14) for receiving a second communication signal generated from at least one object that is external to the vehicle in response to said first communication signal; and a controller (18) couple to said at least one beam-forming assembly and said receiver (178) and adjusting the illumination beam in response to the second communication signal. See col. 6, lines [0054] to col.12, line [0098].

Regarding claim 20, SCHOFIELD disclose in figures 17-25, object sensor (176) for detecting at least one communication signal generated from the at least one object that is external to the vehicle in response to the at least one communication signal and a controller (18) coupled to the vehicle in response to the first signal and a controller coupled to the at least one beam-forming assembly and the (side image capture (14)) for receiver and adjusting the illumination beam in response to the second communication signals. See Col. 6, lines [0054] to col.12, line [0098].

***Allowable Subject Matter***

5. Claims 2, 4, 9 and 12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

Prior art does not teach that, a memory coupled to said controller and storing a plurality of beam patterns, said controller selecting at least one of said beam patterns in response to said object detection signal recited in dependent claim 2.

Prior art does not teach that, the at least one object detection sensor is a receiver and receives a communication signal from said at least one object, said controller adjusting said illumination output in response to said communication signal recited in dependent claim 4.

Prior art does not teach that, adjusts said illumination output in response to at least one vehicle operating condition selected from at least one of velocity, speed, directional heading, acceleration, location, steering wheel angle, brake status, throttle angle, turn signal status, traction control status, differential wheel speed, light status, turn indicator status, windshield wiper status, windshield wiper speed, and engine speed recited in dependent claim 9.

Art Unit: 2821

Prior art does not teach that, an adjusting a vehicle state adjusts at least one vehicle state selected from velocity, speed, directional heading, acceleration, location, steering wheel angle, brake status, throttle angle, turn signal status, traction control status, differential wheel speed, light status, turn indicator status, windshield wiper status, windshield wiper speed, and engine speed recited in dependent claim 12.

***Citation of relevant prior art***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Prior art Stam et al. (U.S. Patent No. 2004/0143380) discloses a image acquisition and processing and exterior lighting control.

Prior art Stam et al. (U.S. Patent No. 6,947,576) discloses a system for controlling exterior vehicle lights.

Prior art Stam et al. (U.S. Patent No. 6,429,594) discloses a continuously variable headlamp..

***Inquiry***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minh Dieu A whose telephone number is (571) 272-1817. The examiner can normally be reached on M-F (5:30 AM-2:45 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Callahan can be reached on (571) 272-1740. The fax phone number for the organization where this application or



Art Unit: 2821

proceeding is assigned is 571-273-8300.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Examiner

Minh A

Art Unit 2821

12/26/06

  
SHIH-CHAO CHEN  
PRIMARY EXAMINER